

AUTHORS:

Zaostrovskiy, F. P., Kovtun, P. K.

SOV/64-58-5-8/21

TITLE:

The Condensation of Ammonia From a Nitrogen-Hydrogen Mixture
(Kondensatsiya ammiaka iz azoto-vodorodnoy smesi)

PERIODICAL:

Khimicheskaya promyshlennost', 1958, Nr 5, pp. 292 - 295 (USSR)

ABSTRACT:

In the condensation of ammonia by cooling two processes, the transfer of heat and the mass, take place. The difference in the temperatures of the gas mixture and the cooling surface on the one hand, and the difference in the partial vapor pressure of the condensed component in the interior of the mixture and the pressure of the vapor phase stress at the condensation film at the wall on the other hand play the decisive roles here. The rates of these processes may be at different ratios to one another, so that, for instance, a vapor condensation may take place only at the cooling surface, or it may take place in the interior and lead to the formation of a fog. In order to avoid the latter the cooling of the vapor-gas mixture must apparently take place in such a way that the vapor oversaturation does not exceed the socalled critical oversaturation at which the condensation in the gas volume takes place. In order to determine the conditions

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causing the formation of fog the concentration of the condensing component and the temperature of the gases along the heat exchange surface must be determined. There exist some methods for calculating the cooling of partly condensed gas mixtures. These do not, however, correspond to the conditions mentioned. There are those found by Merkel (Ref 2), Berman (Ref 4), or Colborn and Hougen (Kol'born i Khougen) (Ref 3) which are too complicated. Others are incomplete like that of Jonston (Dzhonston) (Ref 5). In order to investigate the problem mentioned in the title the authors employed the "step-by-step" method of calculating the mobile forces according to K.N.Shabalin et al. In the derivation of the calculation equations the authors mention for the coefficient of the convective heat transfer the formula by Nussel't (Ref 6) and in the case of the coefficient of mass transfer the analogous formula by Shervud (Ref 6). By means of some examples the calculation of this condensation is carried out according to the initial data. The relation of saturation concentrations to the temperature is determined according to the data supplied by Larson and Blek (Ref 7).

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There are 3 figures and 8 references, 4 of which are Soviet.

1. Ammonia--Condensation 2. Hydrogen-nitrogen mixtures--Chemical effects 3. Hydrogen-nitrogen mixtures--Properties 4. Condensation reactions

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22(1)

SOV/3-59-3-15/48

AUTHORS: Zaostrovskiy, F.P., and Panfilov, A.P.

TITLE: For Creative Cooperation With the Brigades of Communist Labor (Za tvorcheskoye sodruzhestvo s brigadami kommunisticheskogo truda)

PERIODICAL: Vestnik vysshey shkoly, 1959, Nr 3, pp 28-30 (USSR)

ABSTRACT: The development of Brigades of Communist Labor will help to solve the new problems raised by the 21st Party Congress. Their solution will in many respects depend on raising labor productivity, introducing new engineering methods and advanced technology. To assist the workers of the Ural'skiy zavod tyazhëlogo mashinostroyeniya imeni S. Ordzhonikidze (Ural Heavy Equipment Plant imeni S. Ordzhonikidze) (Uralmashzavod) in this cause, scientists of the Ural Polytechnical Institute, the Professors S.I. Samaoylov and I.Ya. Tarnovskiy, the Docents A.A. Spiridonov and Yu.P. Poruchikov have visited the working places and thoroughly studied labor conditions. As a result, a

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For Creative Cooperation With the Brigades of Communist Labor

complex long-term working plan was drawn up for every Communist Labor Brigade. It consists of 3 basic sections: labor productivity; problems of new engineering and advanced technology, technical help and industrial training of laborers; social-political work and the Brigade members' cultural education. The author describes some of the tasks which the Brigades have set themselves in cooperation with the Institute scientists. The Brigade of N. Tyulenev is now polishing a pump staff's cylindrical and conical surface by centrifugal ball machining when making the staffs, which is cheaper, more productive and gives better results. The personnel of the Uralmashzavod has assumed the following obligations: to reduce by 3,000 tons, by improving the construction, the weight of equipment turned out by the plant. Much is being done by the students to help brigade members in their study, rationalizing work and in raising the technical and cultural level. Schools of Communist labor which should generalize the experience of innovators, and

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equip the industrial workers with knowledge in the field of engineering and advanced technology are to be organized. Several of these schools have already been organized and their curricula and programs drawn up.

ASSOCIATION: Ural'skiy politekhnicheskiy institut imeni S.M. Kirova (Ural Polytechnical Institute imeni S.M. Kirov)

Card 3/3

MAKAROV, V.M., inzh.; BIKCHENTAYEV, T.A.; KADKEVICH, V.N.;
SAMSONOVA, A.A.; ZAOSTROVSKIY, F.P., kand. tekhn.nauk,
retsenzent; KUBAREV, V.I., inzh., red.; TAIROVA, A.L.,
red.izd-va; MODEL', B.O., tekhn.red.; UVAROVA, A.F.,
tekhn.red.

[Rubberized and bimetallic machines and devices for the
chemical industry; design and manufacture] Gummirovani-
ye i bimetallicheskie mashiny i apparaty khimicheskikh
proizvodstv; konstruirovaniye i izgotovlenie. [By] V.M.
Makarov i dr. Moskva, Mashgiz, 1963. 274 p.
(MIRA 17:2)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810008-5

ZAOSTHOVSKIY, N.M., inzh.-zemleustroitel'.

Organization of farm centers. Zemledelie 6 no.5:81-82 My '58.
(Collective farms) (MIRA 11:6)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810008-5"

ZAOSTROVSKAYA, YE.N.

BOZHENKO, I.N.; ZAOSTROVSKAYA, Ye.N.

Ensuring the supply of raw products to canning factories in the
Hungarian People's Republic. Kons.i ov.prom. 12 no.9:37-39 S '57.
(MIRA 10:10)

1. Opytno-selektionsnaya stantsiya Vsesoyuznogo nauchno-issledovatel'skogo
instituta konservnoy i ovoshchesushil'noy promyshlennosti v stanitsse
Krymskoy (for Bozhenko). 2. Vsesoyuznyy nauchno-issledovatel'skiy
institut konservnoy i ovoshchesushil'noy promyshlennosti (for
Zaostranskaya).

(Hungary--Canning industry)

ZAOSTROVSKAYA, Ye. N.

KRIVIN, B.G.; ZAOSTROVSKAYA, Ye.N., spetsredaktor; GUSEVA, E.A., redaktor;
CHEBISHEVA, Ye.M., tekhnicheskiy redaktor.

[Tomato big bud and means of controlling it] Stolbur tomatov
i mery bor'by s nim. Moskva, Pishchepromizdat, 1957. 55 p.
(Tomatoes--Diseases and pests)

New phenolicide composed, its preparation and properties. G. A. Vakman and B. I. Zaostrivskaya. Farmatsiya 9, No. 2, 23-5 (1940).—Liquid wastes from a resin factory contained up to 11% each of PhOH and HCHO. The product of evapn. PhOH-cont'd waste liquors in the presence of 10% CaO to a wt. loss of 60-70% contained 19-20% PhOH and showed PhOH coeff. 0.21 (typhus), 0.21 (Bacterium coli) and 0.40 (*Staphylococcus*). Its 10% soln. killed *Staphylococcus* and other pathogens in 3-5 min. It did not kill spores of the hay bacillus. The product was named phenocidale. A method of prepn. is described. Wastes for making this new disinfectant must contain water-sol. primary phenolic condensation products.

Julian V. Smith

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CIA-RDP86-00513R001963810008-5

ZAGSTROVTSEV, G.

Introduce new equipment into industrial production. NTO 6
no.2:38-39 F '64. (MERA 17:4)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810008-5"

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810008-5

SATRAPINSKIY, F.V.; ZAOSTROVTSYEV, I.T. (Leningrad)

Galina Petrova and Mariia TSukanova, heroes of the Soviet Union.
Med.sestra 18 no.11:44-45 N '59. (MIRA 13:3)
(WORLD WAR, 1939-1945--MEDICAL AND SANITARY AFFAIRS)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810008-5"

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810008-5

ZAOSTROVTSEV, P. (Leningrad)

Socialist property and commodity production under socialism.
Vop.ekon. no.3:97-104 Mr '59. (MIRA 12:5)
(Economics)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810008-5"

ZACSTROVTSEV, P.O.

Direct work for society under socialism. Trudy LIEI no. 35:128-143
'61. (MIRA 14:8)

(Labor and laboring classes)

ZAOZSEVA, Z.M.; MINDLIN, S.Z.; ALIKHANYAN, S.I.

Terramycin synthesis in joint cultures of inactive mutants of
Actinomyces rimosus. Dokl. AN SSSR 136 no. 3:714-717 Ja '61.
(MIRA 14:2)

1. Predstavлено академиком V.N. Shaposhnikovym.
(TERRAMYCIN) (ACTINEMYCES)

ZAOZERSKAYA, E.

"Manufaktura pri Petra I," Moscow, 1947

II

ZAOZERSKAYA, Ye. I.

BESKROVNYY, L.G., doktor ist.nauk, red.; ZAOZERSKAYA, Ye.I., doktor ist.
nauk, red.; PREOBRAZHENSKIY, A.A., kand.ist.nauk, red.; VOLKOV,
S.I., red.izd-va; PODGORNEISKAYA, TS.M., red.izd-va; MAKUNI, Ye.V.,
tekhn.red.

[Primary accumulation in Russia (17th and 18th centuries); a
collection of articles] K voprosu o pervonachal'nom nakoplenii
v Rossii (XVII-XVIII vv.); sbornik statei. Mokva, 1958. 540 p.
(MIRA 11:6)

1. Akademiya nauk SSSR. Institut istorii.
(Russia--Economic conditions)

Acid treatment of levhartsite to obtain rare earths and thorium. . . L. Zaichenko and I. Protserov. *Radiu Metal.* 3, No. 3, 33-40 (1934). "Levhartsite," a mineral containing 13-15% rare earths and 0.23-0.85% Th, is found in large quantities in the Khilbinski district (Russia). This was evapd. to dryness successively with HCl and H_2SO_4 and the residue digested with H_2O_2 . After pptg. most of the Ca in the sand, as $CaSO_4$, the rare earths and Th were pptd. in slightly acid soln. by $H_2C_2O_4$. Th was sepnd. from the rare earths by igniting the oxalates, dissolving the oxides in HCl and pptg. twice with $NaHSO_3$ and once with $H_2C_2O_4$. The Th oxide obtained by igniting the oxalate was white and free from impurities. $\frac{1}{1} \frac{1}{1}$

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19

Separating compounds of rare earth metals from lov-
chorite. I. N. Zaoterskii and P. I. Protopova. Russ.
41,511, Feb. 26, 1936. Lovchorite is extd. with acid,
and the soln. treated with NH_4OH to ρ_{H} 4.4 to ppt. Ti
compds., sepd. from the ppt., treated with NH_4OH to
 ρ_{H} 6.2 to ppt. Fe and Al, sepd. from the ppt., and
finally treated with NH_4OH again to ppt. the rare earth
compds.

ASLIB METALLURGICAL LITERATURE CLASSIFICATION

Production of rare earth fluorides from leucophorite by the ammonia method. I. Zanzerkii and P. Prostrov. *Radič. Metal.*, 6, No. 5-6, 32-6 (1957); cf. *C. A.*, 58, 63001.—The concentrate contg. the rare earth minerals, feldspar, nephelite and other impurities is digested with HCl, neutralized with NH₄OH with tropocain (II) indicator and filtered. The rare earths are pptd. with excess NH₄OH, dissolved with HCl and H₂SO₄ and repprd. The sec. ppt. is dissolved with HCl and the rare earths are pptd. with HF. H. W. Rathmann

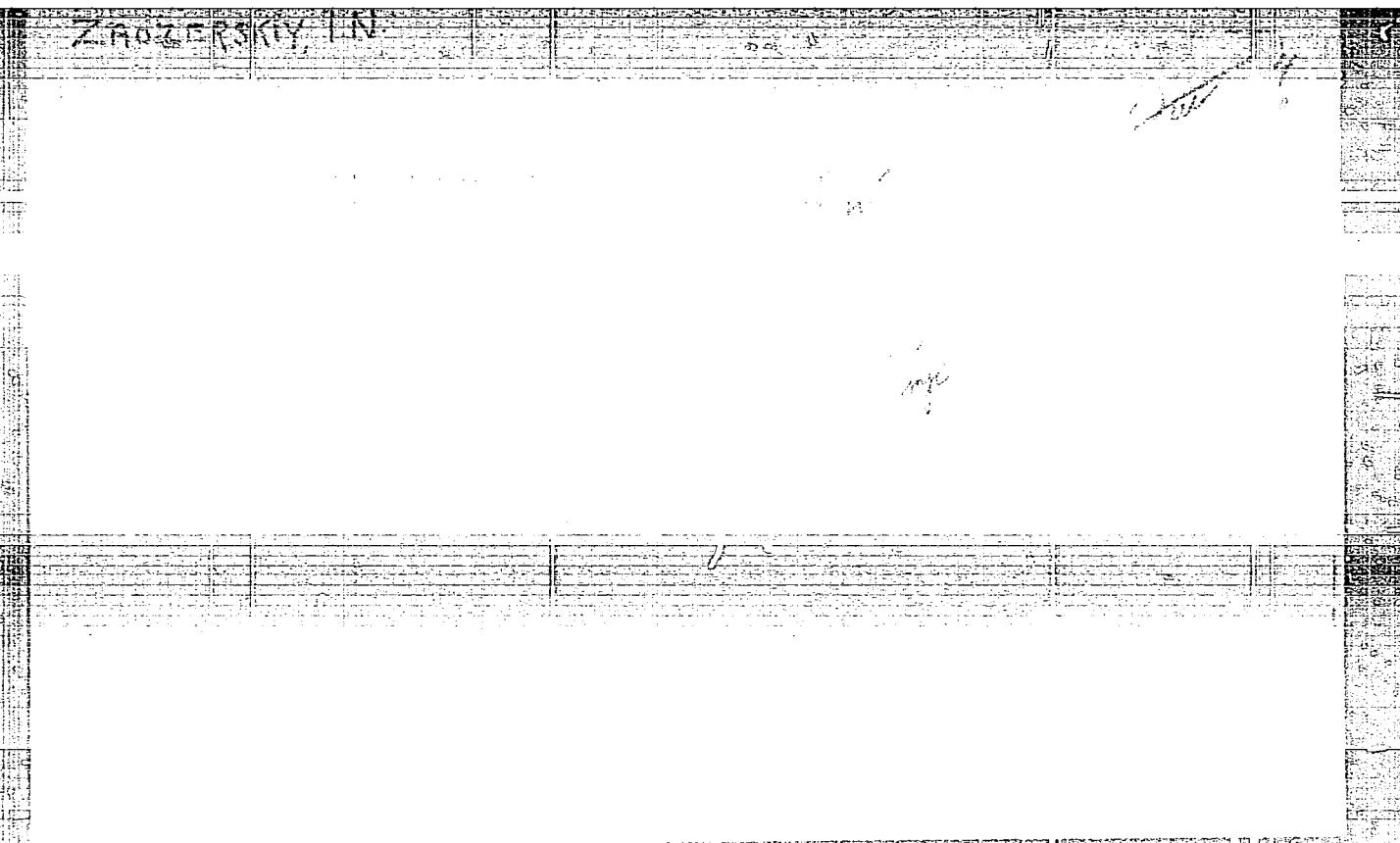
H. W. Rathmann

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CIA-RDP86-00513R001963810008-5"

ZAOZERSKIY, I. N. Dr. of Chemical Sciences, and ANDREYEVA, Z. F. Cand of Chem. Sci.

Present-Day Methods For the Separation of Rare Earths," by
I. N. Zaozerskiy, Doctor of Chemical Sciences, and Z. F.
Andreyeva, Candidate of Chemical Sciences, Khimicheskaya
Nauka i Promyshlennost', Vol 1, No 5, Sep/Oct 56, pp 512-
517

The applications of rare earths, properties of rare earths, methods for the separation of cerium earths, and methods for the separation of yttrium earths are discussed under consideration of all practical aspects of rare-earth elements production. The following applications and results connected with nuclear energy developments are mentioned:

Glass containing cerium is used for protection against radiation emitted from nuclear reactors.

Lanthanum salts are used as carriers in the isolation and separation of trans-uranium elements.

After irradiation in a nuclear reactor, thulium is converted into the gamma-radiation emitter Tu 170, which can be used in X-ray radiography, thus replacing X-ray tubes.

Some rare earths are effective as absorbers of thermal neutrons, so that nuclear reactions can be regulated by employing them.

The oxides of gadolinium and samarium, which strongly absorb neutrons, are used in ceramic coatings employed in nuclear reactors.

The element prometheum (Pm^{61}), being radioactive, could not be isolated from the mixture of naturally occurring rare-earth elements, because no stable isotopes of this element exist in nature. In 1947 artificially produced prometheum was isolated from splinter products of the fission of uranium taking place in nuclear reactors. The prometheum obtained in this manner was in the form of a relatively stable isotope with a half life of 4 yr and a mass number of 147.

A bibliography consisting of 2 USSR references and 24 non-USSR references follows the article.

[Comment: The information on the separation and isolation of rare earth elements, which has apparently been compiled by the USSR authors mainly from data given in foreign publications, is of importance from the standpoints of the production of thorium and of elements like titanium, niobium, and tantalum, which also occur together with rare-earth elements, the reprocessing of nuclear fuel and the elimination of splinter elements from it, and decontamination from harmful radioactive isotopes of rare-earth elements.]

Sure 1219

ZAOZERSKIY, I.N.

ALESHIN, S.N., doktor sel'skokhozyaystvennykh nauk, prof.; VIL'YAMS, V.V.,
doktor khim. nauk, prof.; ZAOZERSKIY, I.N., doktor khim. nauk, prof.;
POLOSIN, V.A., kand. khim. nauk, dots.

Chemistry departments of the Academy during the Soviet rule [with
summary in English]. Izv. TSKhA no.4;169-180 '57. (MIRA 11:1)
(Chemistry)

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PAGE 1 BOOK INFORMATION 20/127

Author: **NIKOLAI V. POLYAKOV**, Institut geokhimi i analiticheskoy khimiiTitle: **Elemental Spectrochemistry. Polychromy, analysis, prizmancy (Rare Earth Elements) Extraction, Analysis and Application** Moscow, Izdat-vo Akademii Nauk, 1978. 524 p., 2,200 copies printed.

Editor: **N. P. Polyakov**, Professor; **NIKOLAI BARTI**; **I. P. ALBERT**, Corresponding Member, USSR Academy of Sciences; **I. N. ZABOROV**, Doctor of Chemical Sciences; **A. V. DOLGOV**, Candidate of Technical Sciences; **V. I. KOMAROV**, Doctor of Chemical Sciences; **N. N. SAVRIN**, Candidate of Chemical Sciences; and **N. S. SAVRINA**, Candidate of Chemical Sciences. Eds. of Publishing House: **D. M. TIKHONOV** and **P. G. LAVRIN** Ph.D., Dr. Sc., Mathematician.

PURPOSE: This book is intended for scientists, chemists, teachers and students of higher educational institutions, schools, and industrial enterprises and other persons concerned with the extraction, preparation, separation or rare earth elements.

CONTENTS: This collection contains reports presented at the June 1976 Conference on Rare Earth Elements at the Institute of Geochemistry and Analytical Chemistry, USSR Academy of Sciences. The Academy of Sciences USSR. The articles cover analytical methods of separating rare earth elements, methods of processing rare earths, ion exchange chromatography, chemical analysis, and some industrial applications of rare earths. Data from nonexisting authors. The editors mention the following Soviet scientists who are studying rare earth elements: rare earth deposits, extraction methods and the preparation of oxides and nitrate. **M. A. BARTI**, **N. V. POLYAKOV**, **N. N. SAVRIN**, **I. P. ALBERT**, **N. S. SAVRINA**, **D. M. TIKHONOV**, **P. G. LAVRIN** and especially **V. A. OLEK**, who first obtained the method of ion exchange chromatography for rare earths, separated many complex molecular compounds of these elements and determined their specific properties. References are given at the end of each article.

NAME OF CONTRIBUTOR

GRIGOREVICH, V. I. (Institute of Geochemistry and Analytical Chemistry)	29
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POLYAKOV, N. V., and G. P. KONSTANTINOV (from Rare Metals Institute, Research Institute); Application of Heavy Solutions for the Separation of Rare Earth Elements into Subgroups and Preparation of High-Purity Reference Concentrates of Some Elements of the Periodic Table	55
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and V. I. TIKHONOV	

and V.I.I.

290 N
R S K i c y I. N.

PLACE : K. V. DIMITROV
377-1442

5(2)

Analytical book 335R. Institut srozhdestvennosti khimii
Naukam i bytovym elementam polucheniya, analiza, primeneniya (New Earth Elements).
Production, Analysis, and Use. Moscow, Izd-vo Akad. Nauk SSSR, 1959. 335 p.
5,000 copies printed.

Author: Prof. D. V. Andreeva, Professor Ed. N. Trifanov (Editor),
and Z. P. Levit (Editor). Ed. S. G. Moshchitskaya
and Academician of Sciences, U.S.S.R., T. N. Kostyuk,
Chemical Sciences, R. V. Polyakov, Candidate of Chemical Sciences, V. I.
Kostyuk, Doctor of Chemical Sciences, N. N. Sotnikov, Candidate of Chemical Sciences,
and Yu. S. Shlyapnikov, Candidate of Chemical Sciences.

PURPOSE: This book is intended for chemists (general and for geochemists and
analytical chemists in particular).

CONTENTS: This collection of articles consists of reports presented at the Second
All-Union Symposium held in June 1959 at the Institute of Geochemistry
and Analytical Chemistry (Inst. V. I. Vernadsky). The book may be divided into
two sections: the characteristics of new elements, and production of new earth
elements (part 1); the methods of analyzing new elements and application of new earth
elements (part 2). The methods of analysis of new elements and their use in the
industries, and their use as catalysts. Considerable space is devoted to the
application of low-temperature chromatography in the production of new types
of all-new earth elements. The concluding section of part two (part
2) is devoted to the production of new types of
Yu. S. Shlyapnikov, and N. N. Sotnikov. The methods used with other methods
are discussed by V. N. Borodovskiy. The purpose of reporting
in the USSR to develop methods of production of new elements is made by the first
Andreeva, A. V. Hildegard, and G. P. Korshak. The second part of the report
describes the methods of analysis of new elements by Z. P. Levit, V. I. Vernadsky, and G. P. Korshak.
The third article is given by V. P. Klimova and Z. P. Levit. The characteristic
of new elements in pure products and stone materials are discussed by A. S. Ryabikov
and his associates. All articles are accompanied by photographs,
Volchenko, M. F. Causes for the variation in the specific gravity of
Earth Elements, and P. N. Rabin. Separation of certain rare earth
elements (part 2).

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1/2

KOGAN, Boris Iosifovich; ZAOZERSKIY, L.N., zasluzhennyy deyatel' nauki i tekhniki, prof., otv. red.; VLASOV, K.A., glav. red.; POPOVA, T.S., red. izd-va; KRUSAKOVA, T.A., tekhn. red.; RYLINA, Yu.V., tekhn. red.

[Studies of rare earth from the point of view of economic geology] Ekonomicheskie ocherki po redkim zemljam. Moskva, Izd-vo Akad. nauk SSSR, 1961. 439 p. (MIRA 14:8)

1. Chlen-korrespondent Akademii nauk SSSR (for Vlasov)
(Rare earths)

ZAOZERSKIY, Ivan Nikolayevich, zasl. deyatel' nauki i tekhniki
doktor khim. nauk, prof.; KOTLYAROV, Rostislav
Vladimirovich; PLATONOV, Fedor Petrovich; POLGSIN,
Vasiliy Alekseyevich, dots.; RYABKOV, Vasiliy Aleksandrovich
[deceased]; TER-SHMAONOV, Georgiy Abramovich; FINOGENOV,
Mikhail Yur'yevich, dots.; MISHIN, V.P., nauchnyy red.;
STUKOVNIN, N.D., red.izd-va; GRIGORCHUK, L.A., tekhn. red.

[Inorganic chemistry] Neorganicheskaiia khimiia. [By] I.N.
Zaozerskii i dr. Moskva, Gos.izd-vo "Vysshiaia shkola," 1963.
525 p.

(MIRA 16:8)

(Chemistry, Inorganic)

L 62537-65 EEP(c)/EEP(k)/EEP(d)/EEP(e)/EEP(i)/EEP(n)/EEP(b)/T/EEP(l)/EEP(e)/EEP(v)
P(2178-2) 10/11/87

ACCESSION NO. AFSG12647

UR/0369/65/001/002/0127/0133

AUTHOR: Shchukin, Ye. D.; Kochanova, L. A.; Zanozina, Z. M.

TITLE: The effect of microscopic surface flaws on the strength of glass

TOPIC: glass, glass property, breaking strength, flaw detection

ABSTRACT: The authors review previously published material on breaking of non-

homogeneous glass as secured by inserting artificial microscopic damage in the form

of indentations. It is shown that the breaking strength of glass decreases with the increase in the size of the artificial indentation.

The relationship between the sample growth and an increase in distance. The nature of the effect of the size of the artificial indentation on the breaking strength of glass is discussed.

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RECEIVED 10/10/1964

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and mechanism of the breaking of crystalline and non-crystalline bodies. The possibility of applying these results to the problem of the mechanical properties of metals is discussed. I am grateful to Dr. S. V. Vitman and V. I. Liratman for much valuable advice during this work.

ORGANIZATION: Institut Fizicheskoy Khimii AN SSSR, Moscow / Institute of Physical

SUBMITTED: 15 Oct 64

ENCL: 00

SUB CODE: NT

NO RPT SOW: 012

OTHER: 003

EC
Card 2/2

ZADSTROVTSEVA, V.A.; GOFMAN, A.I.

High-speed Ke-1200-I double-deck twister. Khim. volok. no.2:64 '65.
(MIRA 18:6)

1. Klinskiy kombinat.

Zapovednitskij, Aron P.

(1)

BABENKOV, G. I., Institute of Geology and Petrology
of Mineral Oils, Academy of Sciences USSR -
"Theory and laboratory modeling of fractured
reservoir rocks with synthetic porosity" (Section IV)
BAGOV, Ivan V., Mekhanika Scientific Research
Institute for Labor Safety in Mining Industries -
"Study of gas outburst phenomena" (Section III)
BAGOV, Ivan V., Moscow State University Is. M. V.
Lomonosov - Chair, Geology and Geochemistry of
Coal and Oil Shale - "Methods of comparative
geochemical analysis - Methods of comparative
estimation of oil and gas occurrence possibilities"
(Section II)
BAGOV, SERG' A., Institute of Petroleum, Academy
of Sciences USSR - "Soviet results in the field
of short mining" (Section III)
BAGOV, A. V., Armenian Polytechnic Institute -
"Theoretical basis of sand flow into the wells and
their application for oil production" (Section IV)
BAGOV, Ivan A., North Caucasus Institute of
Mining and Metallurgy - "Methods of increasing the
rate of boring holes for exploration and exploitation
in hard rocks" (Section II)
BAGOV, I. M., Leningrad Mining Institute -
"Utilization of rock pressure and the microstructure
of coal seam to facilitate mining" (Section I)
BAGOV, G. M., Moscow Institute of Nonferrous Metals
and Gold, Is. M. I. Klinin - "Mechanical results
obtained in the Soviet Union at the exploitation
of bauxite deposits" (Section II)
BAGOV, G. V., Kirov Geological Prospecting
Institute Is. G. Gorbunov - "Full
utilization of the driving of mine roadways
and prospecting drifts in the Soviet Union"
(Section I)
ZAPovednitskij, Aron P., "Determination of the
variation of stresses originating in wall rock
masses" (Section II)

REPORT TO BE SUBMITTED FOR THE MEETING CONGRESS, MINING AND METALLURGICAL SOCIETY,
BUDAPEST, AUGUST, 12-15 SEP 1960

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810008-5

ZAPASINSKII, A. P., Candidate of Geol. Sci.

Dissertation: "Precalculation of the Extent and Dynamics of the Surface-Blasting Process Under Influence of Underground Blasting of Fertilizer in Donets." Moscow Mining Inst and I. V. Stalin, 9 Jan 47.

SO: Vesternaya Moskva, Jan, 1947 (Project #17036)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810008-5"

GORBACHEV, Timofey Fedorovich, professor; ZAPADINSKIY, Aron Punkhusovich,
dotsent; SHARAYEV, A.N., redaktor; ALADOVA, Ye.I., tekhnicheskiy
redaktor.

[Overhand stopping in the Kuznetsk Basin] Razrabotka svity
plastov kuzbassa v voskhodizshchem poriadke. Moskva, Ugletekhizdat,
1955. 92 p.
(MLRA 9:1)
(Kuznetsk Basin--Coal mines and mining)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810008-5

ZAPADINSKIY, I. (g. Sverdlovsk)

Unused resources. Prom.koop, 12 no.11:10 N '58, (MIRA 11:11)
(Sverdlovsk--Service industries)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810008-5"

ZAPADINSKIY, I. (Sverdlovsk).

N.K. Krupskaya to women of producers' cooperatives. Prom. koop. 12
no.3:3 Mr '58. (MIRA 11:3)

1. Zamestitel sekretarya partbyuro arteli imeni 3-y pyatiletki.
(Cooperative societies)
(Krupskaya, Nadezhda Konstantinovna, 1869-1939)

ZAPADINSKIY, I.

What is hindering production of reed blocks. Prom.koop. 13
no.9:26 S '59. (MIRA 13:1)

1. Zamestritel' predsedatelya, glavnnyy inzhener Kara-Kalpakskogo
promsoveta, g.Nukus.
(Reed (Botany))

PA 28T51

ZAPADANSKIY, M. B.

USSR/Flotation

Mar/Apr 1947

Dyes

"Research on the Use of Dyes as a Flotation Reagent,"
M. B. Zapadanskiy, Mekhanobr, Leningrad, 3 pp

"Tsvetnye Metally" No 2

The results of research on using acid or anion dyes,
basic or cation dyes, and mordant dyes as flotation
reagents. Tables of mixtures used and results ob-
tained.

B3

28T51

PA 159T54

ZAPADINSKY, M. B.

USSR/Metals - Wolfram
Analysis

Jan 50

"Recovery of Cinchonine From Filtrates After
Wolfram Precipitation," M. B. Zapadinsky,
1/2 p

"Zavod Lab" Vol XVI, No 1

Suggests method for recovering cinchonine after
precipitating minute quantities of tungstic
acid. Method offers possibility of using this
expensive reagent repeatedly for wolfram analy-
sis. Recovered cinchonine contains certain
amount (to 25%) of sesquioxides which, however,

FDD

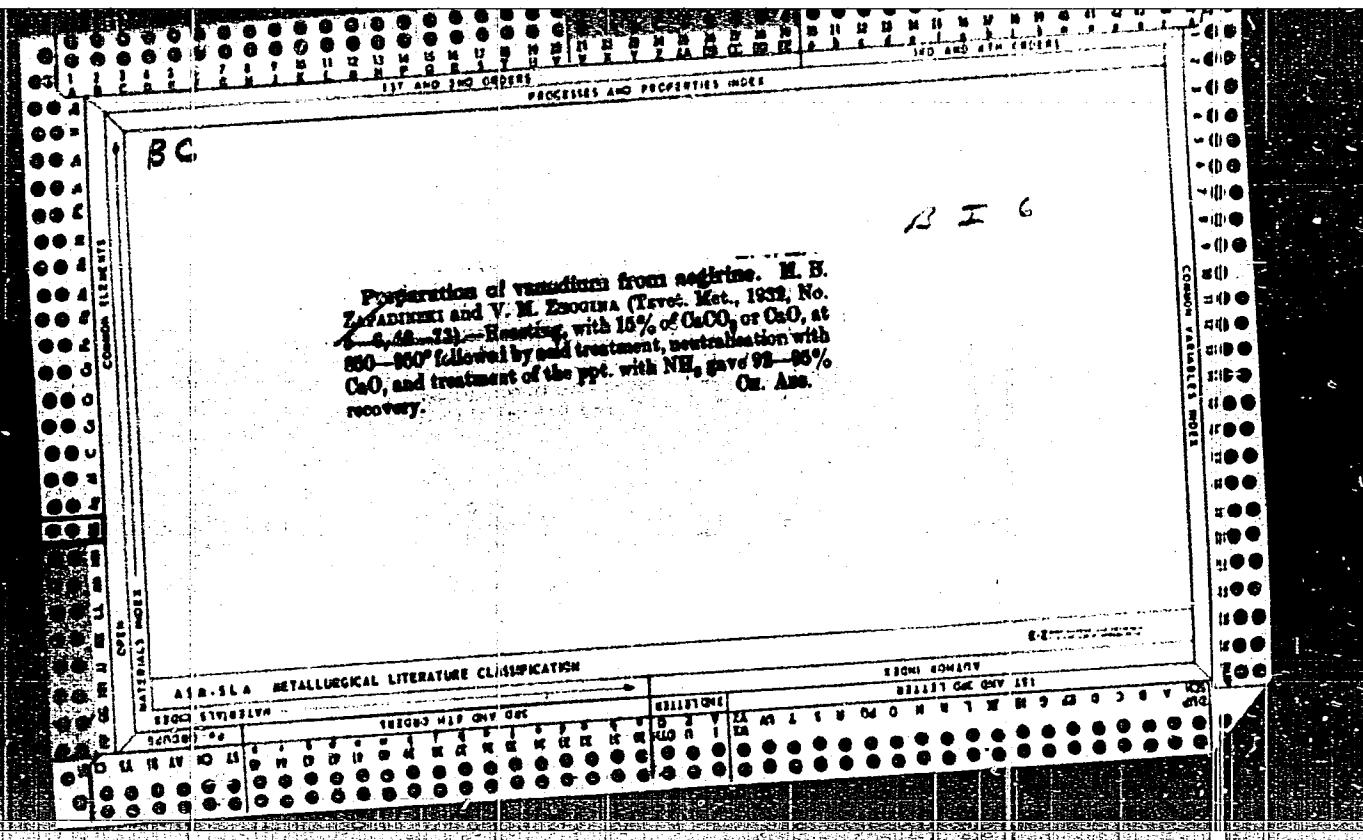
159T54

USSR/Metals - Wolfram (Contd) Jan 50

do not interfere with determination of wolfram
because precipitation of latter is conducted in
acid medium.

FDD

159T54



B C

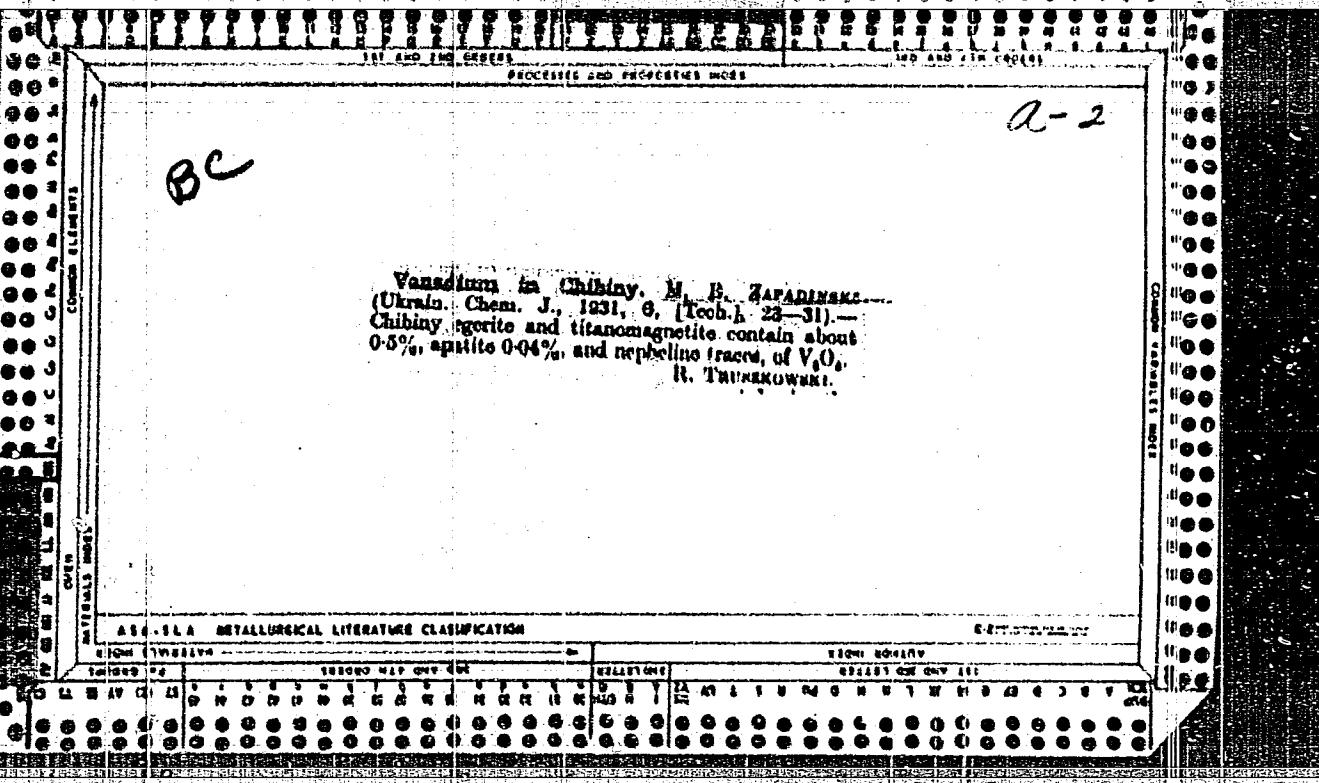
Extraction of vanadium from kertch slag. M. B. ZAFARZADEH (Kach. Stal., 1955, No. 9, 50-53).— Smelting Mg with NaCl and leaching with H_2O extracts 61% of the V_2O_5 . Calcining crushed slag at 900° converts 80% of the V into a state such that it is sol. in 8% H_2SO_4 . The solution requires no heating. Repeated leachings of fresh portions of roasted slag give a [V] of 20 g/l., but V_2O_5 cannot be pptd. directly from this solution. About 3% of raw slag is added to the solution; H_2 and H_2O are liberated and thereby reduce V_2O_5 , which is pptd. on neutralis.

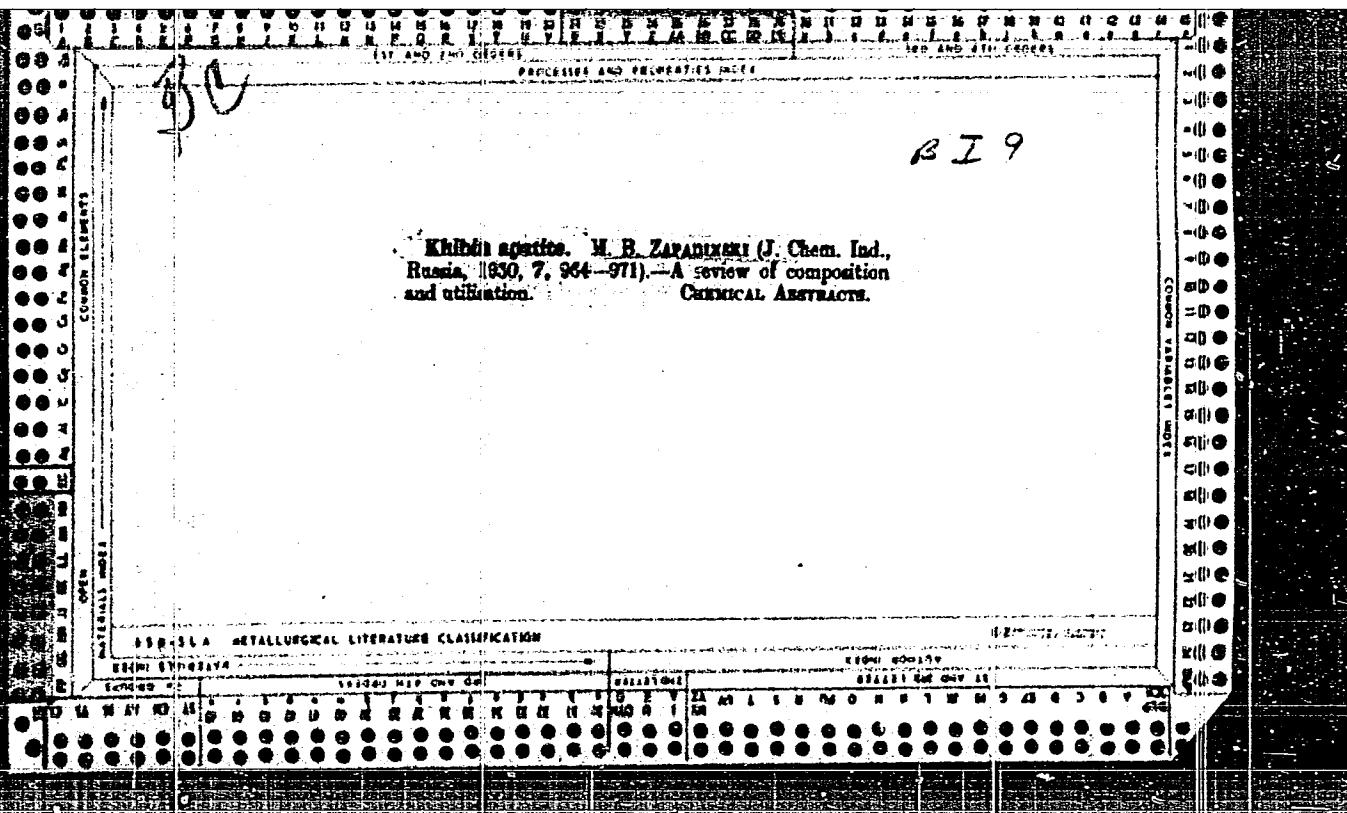
tion with 1.5-3.0% NaOH. The ppt. is dried, heated to 300-400 °C
oxidise V₂O₅ and leached with 5-10% NaOH. Solutions with 40-50 g. of
V₂O₅ per l. are treated with 6% H₂SO₄ and boiled, when V is pptd.
Ch. abs. (e)

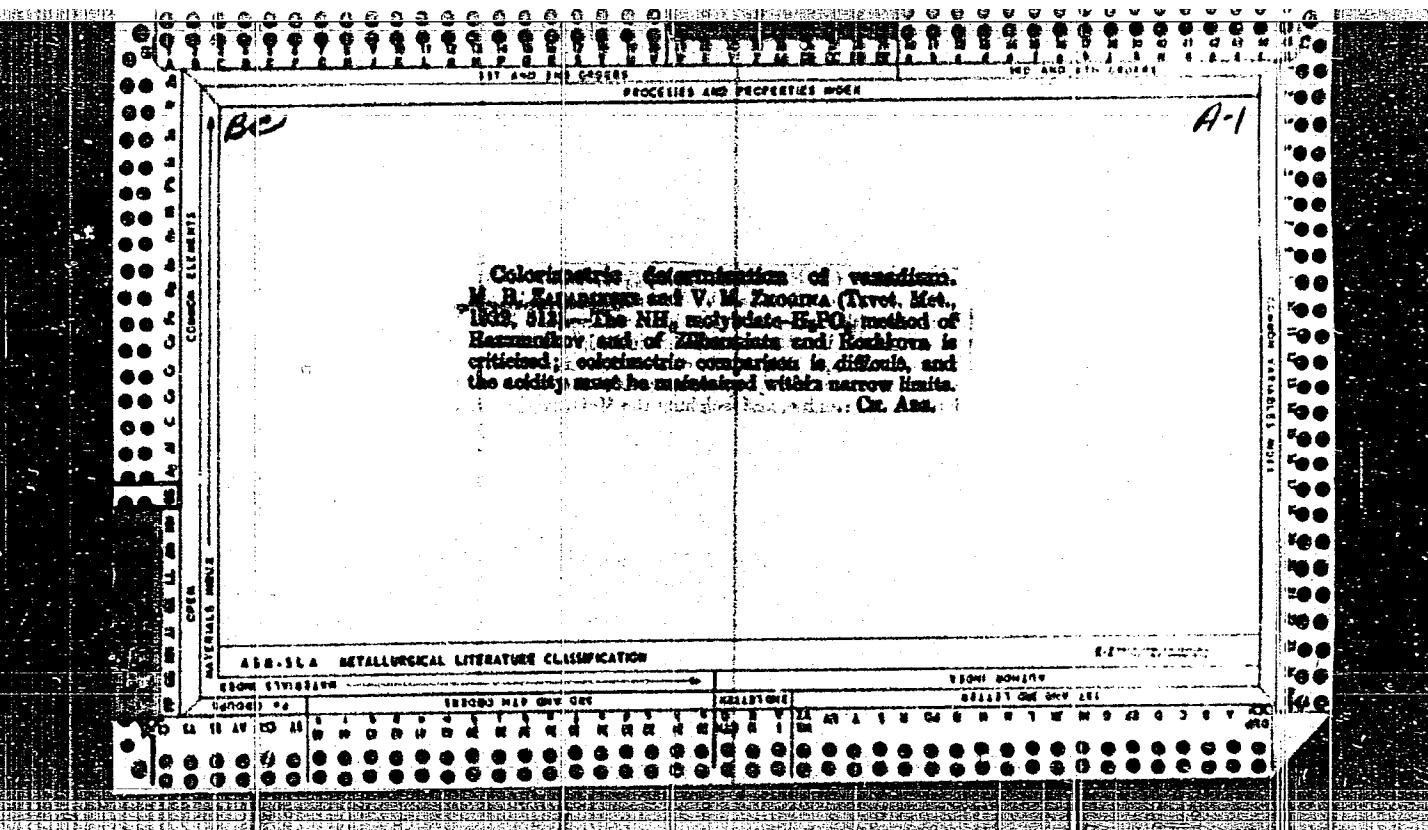
10-1-6

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810008-5"







C-A

The use of dyes as flotation reagents. M. B. Zagon, Jr., *Trans. Met. Soc. AIME*, 20, No. 2, 28-31 (1947).—Acid (anhydride), basic (cations), and mordant dyes were tested as collectors. The acid dyes tested (predominantly acid azo dyes and phthalimide) were pure collectors except for metolüh yellow. A 1% ag. soln. of metolüh yellow was acidified with HCl (0.5 parts of acid to 1 part of dye soln.). The acidified soln. was added in aliquots of 20 g. per ton for floating 170-mesh fluorite. As the total quantity of dye soln. was increased from 60 to 810 g. per ton, the recovery of fluorite rose from 76 to 85%. With 840 g. per t. of collector added in aliquots of 180 g. per t., the total recovery increased to 90-92%. Fluor oil was not used. The basic dyes (chrysoidine, domarck brown, deriv. of triphenylmethane, phosphine, infranone, and methylene blue) were tested either as salts or as free bases for floating quartz. Of the basic dyes methyl violet, crystal violet, and malachite green in the form of free bases acted as collectors. The quartz floated in these tests was of various origin, purity, and degree of grinding, but this

did not affect the results. The recovery was 60-65%. Preps. of the collector: to a 0.7% aq. soln. of the dye salt enough base was added to free the base. The base was emulsified with alc. (10% by vol. of the soln.). By use of Ba(OH)₂ or baro-AusOH and allowing the soln. to settle out, the alc. soln. is sepd. from the aq. layer. In the flotation, kerosene (1/10-1/5 by vol.) was used with the collector in order to strengthen the attachment of the collector film to the mineral. The reagent requirements were: dye 200, alc. 400-600, and kerosene 800-900 g. per cent. The flotation is carried out in an alk. medium. However, alk. in excess of that needed to liberate the base lowers the results. The bases of these dyes were sufficiently selective to separate quartz from calcite and felspar. To sep. quartz from fluorite, very pure kermes or white spirit should be used. Carnotite, too, was floated by these reagents. Of mordant dyes, alizarin, alizarin yellow, and alizarin blue were tested. They were not suitable for floating quartz or fluorite. It is planned to test the mordant dyes for flotation of Fe, Cr, Al, and Fe-coating minerals and of minerals contg. other metals with which these dyes form insol. salts. M. H.

ASME METALLURGICAL LITERATURE CLASSIFICATION

15

CJ

Chemistry and technology of Khibin apatite. M. B. ZAFADINAKH. Chem. Ind. (Moscow) 7, 904-71 (1930).—The compn. of the various constituents found with the Khibin apatite and the methods used in utilizing the raw materials are reviewed. The processes for the prepn. of thermophosphate, H_3PO_4 , ptd. phosphate and ammonium phosphate, the enrichment of raw phosphates by flotation, the utilization of finely ground raw apatite, utilization of nephelite as a K fertilizer and the use of the by-products from purifying the apatite for the glass industry are discussed. The utilization of the Ti found with the Khibin apatite for the paint industry and for ferritinanium is also considered.

J. S. Jones

AIA-SLA METALLURGICAL LITERATURE CLASSIFICATION

ITEM NUMBER	SUBJECT	1930-35 REF. ONLY	1936-40 REF. ONLY	1941-45 REF. ONLY	1946-50 REF. ONLY	1951-55 REF. ONLY	1956-60 REF. ONLY	1961-65 REF. ONLY	1966-70 REF. ONLY	1971-75 REF. ONLY	1976-80 REF. ONLY	1981-85 REF. ONLY	1986-90 REF. ONLY	1991-95 REF. ONLY	1996-2000 REF. ONLY	1997-2000 REF. ONLY	1998-2000 REF. ONLY	1999-2000 REF. ONLY	2000-2005 REF. ONLY	2006-2010 REF. ONLY	2007-2010 REF. ONLY	2008-2010 REF. ONLY	2009-2010 REF. ONLY	2010-2015 REF. ONLY	2011-2015 REF. ONLY	2012-2015 REF. ONLY	2013-2015 REF. ONLY	2014-2015 REF. ONLY	2015-2016 REF. ONLY	2016-2017 REF. ONLY	2017-2018 REF. ONLY	2018-2019 REF. ONLY	2019-2020 REF. ONLY	2020-2021 REF. ONLY	2021-2022 REF. ONLY	2022-2023 REF. ONLY	2023-2024 REF. ONLY	2024-2025 REF. ONLY	2025-2026 REF. ONLY	2026-2027 REF. ONLY	2027-2028 REF. ONLY	2028-2029 REF. ONLY	2029-2030 REF. ONLY	2030-2031 REF. ONLY	2031-2032 REF. ONLY	2032-2033 REF. ONLY	2033-2034 REF. ONLY	2034-2035 REF. ONLY	2035-2036 REF. ONLY	2036-2037 REF. ONLY	2037-2038 REF. ONLY	2038-2039 REF. ONLY	2039-2040 REF. ONLY	2040-2041 REF. ONLY	2041-2042 REF. ONLY	2042-2043 REF. ONLY	2043-2044 REF. ONLY	2044-2045 REF. ONLY	2045-2046 REF. ONLY	2046-2047 REF. ONLY	2047-2048 REF. ONLY	2048-2049 REF. ONLY	2049-2050 REF. ONLY	2050-2051 REF. ONLY	2051-2052 REF. ONLY	2052-2053 REF. ONLY	2053-2054 REF. ONLY	2054-2055 REF. ONLY	2055-2056 REF. ONLY	2056-2057 REF. ONLY	2057-2058 REF. ONLY	2058-2059 REF. ONLY	2059-2060 REF. ONLY	2060-2061 REF. ONLY	2061-2062 REF. ONLY	2062-2063 REF. ONLY	2063-2064 REF. ONLY	2064-2065 REF. ONLY	2065-2066 REF. ONLY	2066-2067 REF. ONLY	2067-2068 REF. ONLY	2068-2069 REF. ONLY	2069-2070 REF. ONLY	2070-2071 REF. ONLY	2071-2072 REF. ONLY	2072-2073 REF. ONLY	2073-2074 REF. ONLY	2074-2075 REF. ONLY	2075-2076 REF. ONLY	2076-2077 REF. ONLY	2077-2078 REF. ONLY	2078-2079 REF. ONLY	2079-2080 REF. ONLY	2080-2081 REF. ONLY	2081-2082 REF. ONLY	2082-2083 REF. ONLY	2083-2084 REF. ONLY	2084-2085 REF. ONLY	2085-2086 REF. ONLY	2086-2087 REF. ONLY	2087-2088 REF. ONLY	2088-2089 REF. ONLY	2089-2090 REF. ONLY	2090-2091 REF. ONLY	2091-2092 REF. ONLY	2092-2093 REF. ONLY	2093-2094 REF. ONLY	2094-2095 REF. ONLY	2095-2096 REF. ONLY	2096-2097 REF. ONLY	2097-2098 REF. ONLY	2098-2099 REF. ONLY	2099-20100 REF. ONLY	20100-20101 REF. ONLY	20101-20102 REF. ONLY	20102-20103 REF. ONLY	20103-20104 REF. ONLY	20104-20105 REF. ONLY	20105-20106 REF. ONLY	20106-20107 REF. ONLY	20107-20108 REF. ONLY	20108-20109 REF. ONLY	20109-20110 REF. ONLY	20110-20111 REF. ONLY	20111-20112 REF. ONLY	20112-20113 REF. ONLY	20113-20114 REF. ONLY	20114-20115 REF. ONLY	20115-20116 REF. ONLY	20116-20117 REF. ONLY	20117-20118 REF. ONLY	20118-20119 REF. ONLY	20119-20120 REF. ONLY	20120-20121 REF. ONLY	20121-20122 REF. ONLY	20122-20123 REF. ONLY	20123-20124 REF. ONLY	20124-20125 REF. ONLY	20125-20126 REF. ONLY	20126-20127 REF. ONLY	20127-20128 REF. ONLY	20128-20129 REF. ONLY	20129-20130 REF. ONLY	20130-20131 REF. ONLY	20131-20132 REF. ONLY	20132-20133 REF. ONLY	20133-20134 REF. ONLY	20134-20135 REF. ONLY	20135-20136 REF. ONLY	20136-20137 REF. ONLY	20137-20138 REF. ONLY	20138-20139 REF. ONLY	20139-20140 REF. ONLY	20140-20141 REF. ONLY	20141-20142 REF. ONLY	20142-20143 REF. ONLY	20143-20144 REF. ONLY	20144-20145 REF. ONLY	20145-20146 REF. ONLY	20146-20147 REF. ONLY	20147-20148 REF. ONLY	20148-20149 REF. ONLY	20149-20150 REF. ONLY	20150-20151 REF. ONLY	20151-20152 REF. ONLY	20152-20153 REF. ONLY	20153-20154 REF. ONLY	20154-20155 REF. ONLY	20155-20156 REF. ONLY	20156-20157 REF. ONLY	20157-20158 REF. ONLY	20158-20159 REF. ONLY	20159-20160 REF. ONLY	20160-20161 REF. ONLY	20161-20162 REF. ONLY	20162-20163 REF. ONLY	20163-20164 REF. ONLY	20164-20165 REF. ONLY	20165-20166 REF. ONLY	20166-20167 REF. ONLY	20167-20168 REF. ONLY	20168-20169 REF. ONLY	20169-20170 REF. ONLY	20170-20171 REF. ONLY	20171-20172 REF. ONLY	20172-20173 REF. ONLY	20173-20174 REF. ONLY	20174-20175 REF. ONLY	20175-20176 REF. ONLY	20176-20177 REF. ONLY	20177-20178 REF. ONLY	20178-20179 REF. ONLY	20179-20180 REF. ONLY	20180-20181 REF. ONLY	20181-20182 REF. ONLY	20182-20183 REF. ONLY	20183-20184 REF. ONLY	20184-20185 REF. ONLY	20185-20186 REF. ONLY	20186-20187 REF. ONLY	20187-20188 REF. ONLY	20188-20189 REF. ONLY	20189-20190 REF. ONLY	20190-20191 REF. ONLY	20191-20192 REF. ONLY	20192-20193 REF. ONLY	20193-20194 REF. ONLY	20194-20195 REF. ONLY	20195-20196 REF. ONLY	20196-20197 REF. ONLY	20197-20198 REF. ONLY	20198-20199 REF. ONLY	20199-20200 REF. ONLY	20200-20201 REF. ONLY	20201-20202 REF. ONLY	20202-20203 REF. ONLY	20203-20204 REF. ONLY	20204-20205 REF. ONLY	20205-20206 REF. ONLY	20206-20207 REF. ONLY	20207-20208 REF. ONLY	20208-20209 REF. ONLY	20209-20210 REF. ONLY	20210-20211 REF. ONLY	20211-20212 REF. ONLY	20212-20213 REF. ONLY	20213-20214 REF. ONLY	20214-20215 REF. ONLY	20215-20216 REF. ONLY	20216-20217 REF. ONLY	20217-20218 REF. ONLY	20218-20219 REF. ONLY	20219-20220 REF. ONLY	20220-20221 REF. ONLY	20221-20222 REF. ONLY	20222-20223 REF. ONLY	20223-20224 REF. ONLY	20224-20225 REF. ONLY	20225-20226 REF. ONLY	20226-20227 REF. ONLY	20227-20228 REF. ONLY	20228-20229 REF. ONLY	20229-20230 REF. ONLY	20230-20231 REF. ONLY	20231-20232 REF. ONLY	20232-20233 REF. ONLY	20233-20234 REF. ONLY	20234-20235 REF. ONLY	20235-20236 REF. ONLY	20236-20237 REF. ONLY	20237-20238 REF. ONLY	20238-20239 REF. ONLY	20239-20240 REF. ONLY	20240-20241 REF. ONLY	20241-20242 REF. ONLY	20242-20243 REF. ONLY	20243-20244 REF. ONLY	20244-20245 REF. ONLY	20245-20246 REF. ONLY	20246-20247 REF. ONLY	20247-20248 REF. ONLY	20248-20249 REF. ONLY	20249-20250 REF. ONLY	20250-20251 REF. ONLY	20251-20252 REF. ONLY	20252-20253 REF. ONLY	20253-20254 REF. ONLY	20254-20255 REF. ONLY	20255-20256 REF. ONLY	20256-20257 REF. ONLY	20257-20258 REF. ONLY	20258-20259 REF. ONLY	20259-20260 REF. ONLY	20260-20261 REF. ONLY	20261-20262 REF. ONLY	20262-20263 REF. ONLY	20263-20264 REF. ONLY	20264-20265 REF. ONLY	20265-20266 REF. ONLY	20266-20267 REF. ONLY	20267-20268 REF. ONLY	20268-20269 REF. ONLY	20269-20270 REF. ONLY	20270-20271 REF. ONLY	20271-20272 REF. ONLY	20272-20273 REF. ONLY	20273-20274 REF. ONLY	20274-20275 REF. ONLY	20275-20276 REF. ONLY	20276-20277 REF. ONLY	20277-20278 REF. ONLY	20278-20279 REF. ONLY	20279-20280 REF. ONLY	20280-20281 REF. ONLY	20281-20282 REF. ONLY	20282-20283 REF. ONLY	20283-20284 REF. ONLY	20284-20285 REF. ONLY	20285-20286 REF. ONLY	20286-20287 REF. ONLY	20287-20288 REF. ONLY	20288-20289 REF. ONLY	20289-20290 REF. ONLY	20290-20291 REF. ONLY	20291-20292 REF. ONLY	20292-20293 REF. ONLY	20293-20294 REF. ONLY	20294-20295 REF. ONLY	20295-20296 REF. ONLY	20296-20297 REF. ONLY	20297-20298 REF. ONLY	20298-20299 REF. ONLY	20299-20200 REF. ONLY	20200-20201 REF. ONLY	20201-20202 REF. ONLY	20202-20203 REF. ONLY	20203-20204 REF. ONLY	20204-20205 REF. ONLY	20205-20206 REF. ONLY	20206-20207 REF. ONLY	20207-20208 REF. ONLY	20208-20209 REF. ONLY	20209-202010 REF. ONLY	202010-202011 REF. ONLY	202011-202012 REF. ONLY	202012-202013 REF. ONLY	202013-202014 REF. ONLY	202014-202015 REF. ONLY	202015-202016 REF. ONLY	202016-202017 REF. ONLY	202017-202018 REF. ONLY	202018-202019 REF. ONLY	202019-202020 REF. ONLY	202020-202021 REF. ONLY	202021-202022 REF. ONLY	202022-202023 REF. ONLY	202023-202024 REF. ONLY	202024-202025 REF. ONLY	202025-202026 REF. ONLY	202026-202027 REF. ONLY	202027-202028 REF. ONLY	202028-202029 REF. ONLY	202029-202030 REF. ONLY	202030-202031 REF. ONLY	202031-202032 REF. ONLY	202032-202033 REF. ONLY	202033-202034 REF. ONLY	202034-202035 REF. ONLY	202035-202036 REF. ONLY	202036-202037 REF. ONLY	202037-202038 REF. ONLY	202038-202039 REF. ONLY	202039-202040 REF. ONLY	202040-202041 REF. ONLY	202041-202042 REF. ONLY	202042-202043 REF. ONLY	202043-202044 REF. ONLY	202044-202045 REF. ONLY	202045-202046 REF. ONLY	202046-202047 REF. ONLY	202047-202048 REF. ONLY	202048-202049 REF. ONLY	202049-202050 REF. ONLY	202050-202051 REF. ONLY	202051-202052 REF. ONLY	202052-202053 REF. ONLY	202053-202054 REF. ONLY	202054-202055 REF. ONLY	202055-202056 REF. ONLY	202056-202057 REF. ONLY	202057-202058 REF. ONLY	202058-202059 REF. ONLY	202059-202060 REF. ONLY	202060-202061 REF. ONLY	202061-202062 REF. ONLY	202062-202063 REF. ONLY	202063-202064 REF. ONLY	202064-202065 REF. ONLY	202065-202066 REF. ONLY	202066-202067 REF. ONLY	202067-202068 REF. ONLY	202068-202069 REF. ONLY	202069-202070 REF. ONLY	202070-202071 REF. ONLY	202071-202072 REF. ONLY	202072-202073 REF. ONLY	202073-202074 REF. ONLY	202074-202075 REF. ONLY	202075-202076 REF. ONLY	202076-202077 REF. ONLY	202077-202078 REF. ONLY	202078-202079 REF. ONLY	202079-202080 REF. ONLY	202080-202081 REF. ONLY	202081-202082 REF. ONLY	202082-202083 REF. ONLY	202083-202084 REF. ONLY	202084-202085 REF. ONLY	202085-202086 REF. ONLY	202086-202087 REF. ONLY	202087-202088 REF. ONLY	202088-202089 REF. ONLY	202089-202090 REF. ONLY	202090-202091 REF. ONLY	202091-202092 REF. ONLY	202092-202093 REF. ONLY	202093-202094 REF. ONLY	202094-202095 REF. ONLY	202095-202096 REF. ONLY	202096-202097 REF. ONLY	202097-202098 REF. ONLY	202098-202099 REF. ONLY	202099-202100 REF. ONLY	202100-202101 REF. ONLY	202101-202102 REF. ONLY	202102-202103 REF. ONLY	202103-202104 REF. ONLY	202104-202105 REF. ONLY	202105-202106 REF. ONLY	202106-202107 REF. ONLY	202107-202108 REF. ONLY	202108-202109 REF. ONLY	202109-202110 REF. ONLY	202110-202111 REF. ONLY	202111-202112 REF. ONLY	202112-202113 REF. ONLY	202113-202114 REF. ONLY	202114-202115 REF. ONLY	202115-202116 REF. ONLY	202116-202117 REF. ONLY	202117-202118 REF. ONLY	202118-202119 REF. ONLY	202119-202120 REF. ONLY	202120-202121 REF. ONLY	202121-202122 REF. ONLY	202122-202123 REF. ONLY	202123-202124 REF. ONLY	202124-202125 REF. ONLY	202125-202126 REF. ONLY	202126-202127 REF. ONLY	202127-202128 REF. ONLY	202128-202129 REF. ONLY	202129-202130 REF. ONLY	202130-202131 REF. ONLY	202131-202132 REF. ONLY	202132-202133 REF. ONLY	202133-202134 REF. ONLY	202134-202135 REF. ONLY	202135-202136 REF. ONLY	202136-202137 REF. ONLY	202137-202138 REF. ONLY	202138-202139 REF. ONLY	202139-202140 REF. ONLY	202140-202141 REF. ONLY	202141-202142 REF. ONLY	202142-202143 REF. ONLY	202143-202144 REF. ONLY	202144-202145 REF. ONLY	202145-202146 REF. ONLY	202146-202147 REF. ONLY	202147-202148 REF. ONLY	202148-202149 REF. ONLY	202149-202150 REF. ONLY	202150-202151 REF. ONLY	202151-202152 REF. ONLY	202152-202153 REF. ONLY	202153-202154 REF. ONLY	202154-202155 REF. ONLY	202155-202156 REF. ONLY	202156-202157 REF. ONLY	202157-202158 REF. ONLY	202158-202159 REF. ONLY	202159-202160 REF. ONLY	202160-202161 REF. ONLY	202161-202162 REF. ONLY	202162-202163 REF. ONLY	202163-202164 REF. ONLY	202164-202165 REF. ONLY	202165-202166 REF. ONLY	202166-202167 REF. ONLY	202167-202168 REF. ONLY	202168-202169 REF. ONLY	202169-202170 REF. ONLY	202170-202171 REF. ONLY	202171-202172 REF. ONLY	202172-202173 REF. ONLY	202173-202174 REF. ONLY	202174-202175 REF. ONLY	202175-202176 REF. ONLY	202176-202177 REF. ONLY	202177-202178 REF. ONLY	202178-202179 REF. ONLY	202179-202180 REF. ONLY	202180-2021

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
1ST AND 2ND DECADES
RELEASED AND ENTERED 1964

Preparation of vanadium from argirite. M. N. Daniloff and V. M. Zhogina. *Tsvetnaya Metal.* 1932, No. 5/6, 68-73. --Extrn. of V with acids is too low because of low moly. of argirite. Roasting with addn. of 10% of chalk or lime at 850°C followed by treatment with acid resulted in 80-90% recovery. Pure iron vanadate was obtained by adding Fe and neutralizing the soln., but the ratio V:Fe was too low and the process can be applied only to ores with low P content. For high-P ores a method was developed whereby all the V is sepd. from Fe to obtain V_2O_5 . Charge roasted with lime or chalk is dissolved in HCl, the soln. neutralized with CaO, and the ppt. treated with ammonia. By this treatment 92-95% of the V is extd. The soln. is then evapd. to dryness to obtain V_2O_5 . The ammoniacal solns. are free from P, Al, Fe, etc., and contain only a small amt. of SiO_2 and traces of Ca.

B. N. Daniloff

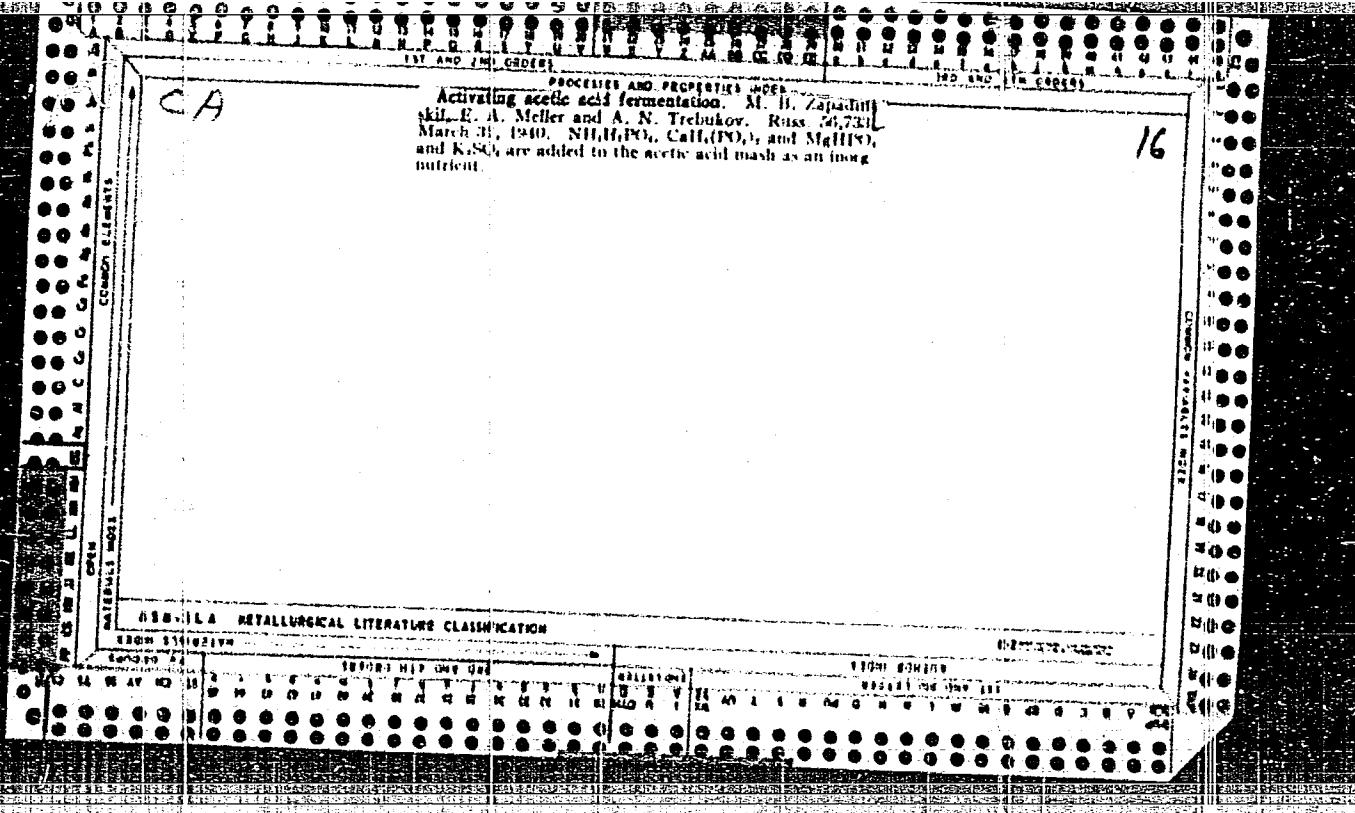
AIA-104-AEROMARINE LITERATURE CLASSIFICATION

10000 11000 12000

13000 14000 15000

16000 17000 18000

19000 20000 21000



C/

17

Isolation of cinchonine from filtrates after removal of
bungarotoxin. N. B. Zapudinskii. Zavodskaya Lab. 16,
103(1950).—The soln. is neutralized to methyl orange
and the ppt. is discarded; the hot filtrate is neutralized
with Na₂CO₃ and the pptd. cinchonine is filtered and
dried at 60°. Almost all of the alkaloid is recovered.
G. M. Konotapoff

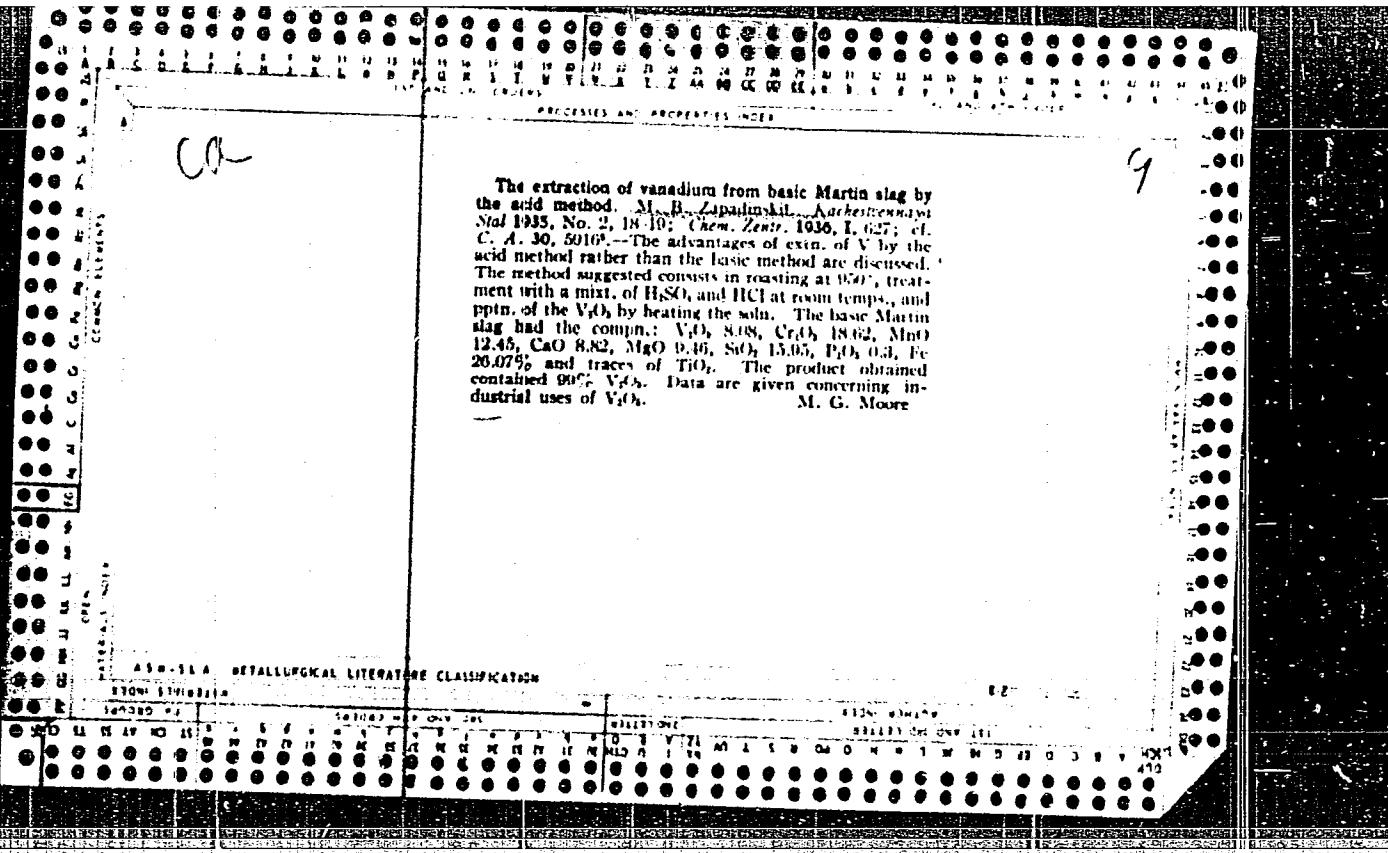
Extraction of Cinchonine from Filtrate after Precipitation of Tungsten. M. E. Zavadin-
skii. (Nauvodetskaya Laboratoriya, 1950, No. 1 103), (In Russian).

A method is proposed for economy in the determination of tungsten by the recovery
of the cinchonine used for precipitating its last traces. -S. K.

immediate source clipping

Extraction of vanadium from kertch slag. - M. I. Zatulin and Kochetkovaya. Sintez 1935, No. 9, 1935. Met. Abstracts (in Metals and Alloys) 7, 226. Sintered slag with NaCl and leaching with H₂O extracts 60% of V₂O₅. Calcining crushed slag at 900° converts 90% of its V into such a state that it is sol. in 8% H₂SO₄. No heating is required for soln. Repeated leachings of fresh portions of roasted slag bring the V concn. to 20 g./l. It is impossible to ppt. V₂O₅ directly from this soln. About 3% of raw slag is added to the soln.; H₂ and H₂S are liberated reducing V₂O₅ which is pptd. by neutralization of the soln. with 1.5-3.0% NaOH. The product contains about 15 times as much V as the slag. The ppt. obtained is dried, heated at 300-400° to oxidize V and leached with 5-10% NaOH. Solns. obtained contg. 40-50 g./l. of V₂O₅ are treated with 8% H₂SO₄ and boiled, which precipitates V. It is washed free from P. Instead of regulating acidity catalyst, not described in the paper, can be used.

E. Bame



PCN

Laboratory and plant investigation on the production of vanadium from basic Martin slag from the Ural. M. II. Zapadinskii and P. V. Fedorov, *Soviet. Met.*, 6, No. 11, 43 (1939); *Chem. Zentral.* 1937, I, 1948. - Improvements are given on the method previously reported (*J. C. S.*, 3727²) for the production of V from the basic Martin slag produced in the smelting of Ural Ti magnetite. Plant studies resulted in an essential shortening of the process and the production of a product contg. less SO₂ (traces to a max. of 0.38%).

M. G. Moore

9

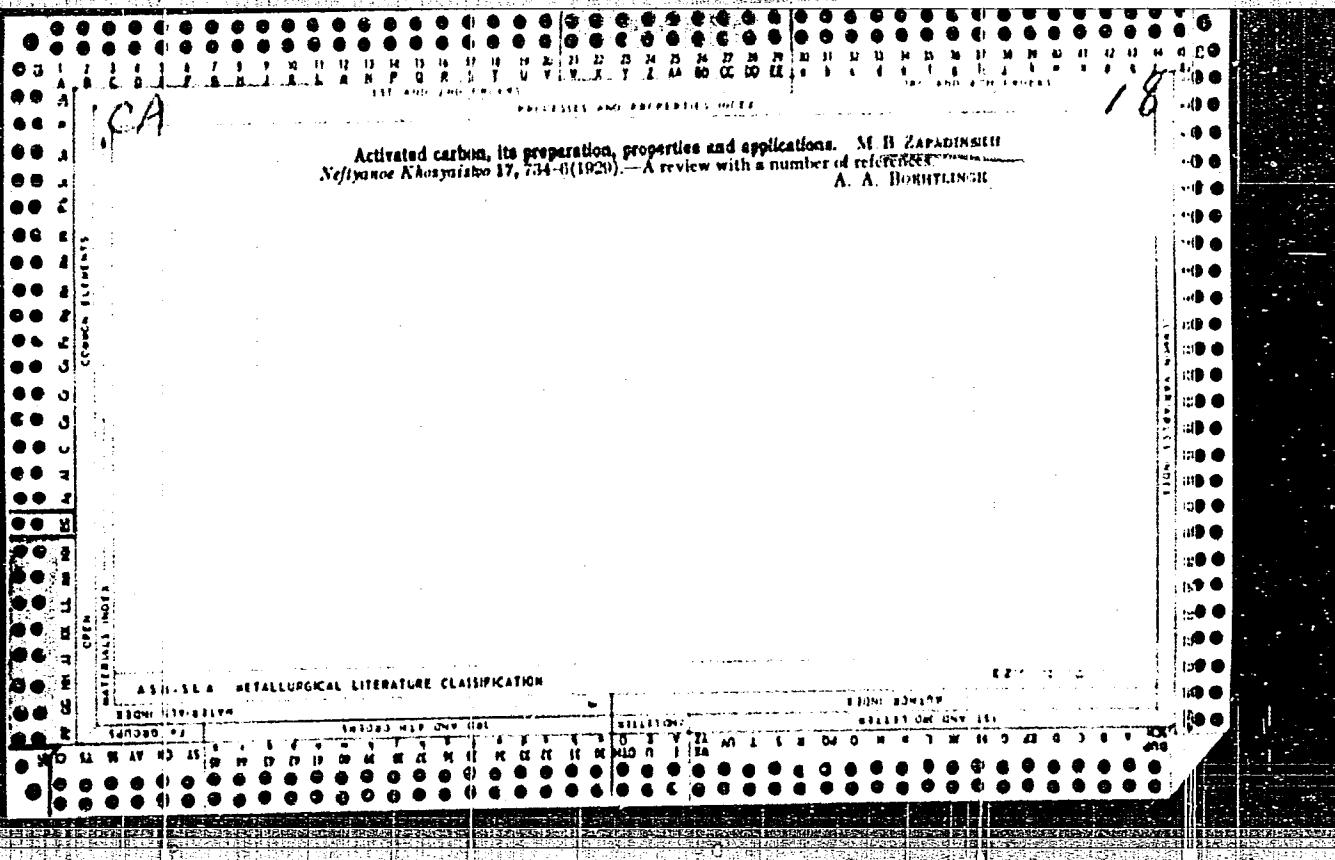
ASR-SLA-METALLURGICAL LITERATURE CLASSIFICATION

E304 434174

Extraction of Cinchonine from Filtrate after Precipitation of Tungsten. M. B. Zapadinskii. (Zavodskaya Laboratoriya, 1950, No. 1 103), (In Russian).

A method is proposed for economy in the determination of tungsten by the recovery of the cinchonine used for precipitating its last traces.--S. K.

immediate source clipping



CA

Determination of traces of carbon monoxide in atmospheric air. M. B. ZAPADIN-
SKII AND S. V. LITOVKOV. *J. Chem. Ind.* (Russia) 6, 1273-4 (1929).—The method is based
on oxidizing CO to CO_2 by means of CuO in a furnace and collecting the CO_2 in $\text{Ba}(\text{OH})_2$
soln.
BERNARD NELSON

APPENDIX METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810008-5"

CR

Colorimetric determination of vanadium. M. B. Zapadinskii and V. M. Zhogina. *Tsvetnaya Metal.*, 1932, 513.—Defects of the colorimetric method proposed by Razumikov (*Mineral. Sait'*, No. 5, 469(1920)) and modified by Zilbermanz and Ropikova (C. A., 22, 1558) by means of NH_4 molybdate and H_3PO_4 are pointed out. Because of the high Mo content in the standard solns. recommended by the above investigators, a yellow color appears even in the absence of V, apparently owing to the formation of a compd. of Mo and P. The acid concn. affects the color very greatly, and the necessity of maintaining the acidity within narrow limits is a disadvantage in analyzing solns. of varying acidities. The presence of chlorides, contrary to the statement of the inventors of the process, had no influence on the accuracy of the detn. The changes in the intensity of green and yellow color due to varying V content are not very well adapted for colorimetric comparison. H. N. Daniloff

7

ASH-SEA METALLURGICAL LITERATURE CLASSIFICATION

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810008-5

ZAPADINSKIY, A. P.

"Determination of the Variation of Stresses Originating in Wall Rock Masses."

report presented at the Hungarian Mining Congress, Budapest, 12-18 Sep 1960

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810008-5"

methyl-1-hydroxycyclohexane. Both polyols are characterized by the presence of five and three hydroxyl groups and certain 5- and 6-membered saturated ring structures related to glucose with the exception of the furanose form. The hydroxyl groups are located at the 1, 2, 3, 4, and 5 positions.

L 62934-35

ACCESSION NR: AP5019565

with dimethylbenzylamine. At the same time the duration of heat treatment effects significantly the properties of polyester urethane foams. The maximum thermal stability was displayed by specimens held at 100°C for 25-30 hrs. "Some physico-chemical and dielectric properties were determined by A. A. Moiseyev and G. V. Trovan."

ASSOCIATION: none

SUBMITTER: CC

ENCL: CC

CIA CODE: MT

NO REF Sov: 002

OTHER: 002

Card 272

RENDAR, P.I.; TSEYTLIN, G.M.; KAMENSKIY, I.V.; KORSHAK, V.V.;
ZAPADINSKIY, B.I.

Synthesis and some properties of polyester urethane foams with
a base of polyesters modified with polyatomic alcohols. Plast.
massy no.8:11-13 '65.
(MIRA 18:9)

ZAPADINSKIY, I.

Ahead of time. Mest.prom. i khud.promys. 2 no.1:24 no.1:24 Ja '61.
(MIRA 14:4)

1. Glavnnyy inzhener upravleniya promyshlennosti pri Sovete Ministrov
Kara-Kalpakskoy ASSR, g. Nukus.
(Kara-Kalpak--Industries)

ZAPADLO, J.

Safety first.

P. 174, (Zeleznidar) No. 7, July 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

ZAPADNYUK, I. P.

ZAPADNYUK, I. P. (Lecturer, Candidate of Veterinary Sciences, L'vov Veterinary Institute.) Equine rheumatism.

So: Veterinariya; 23; (3-9); August/September 1946; Uncl.
TABCON

ZAPADNYUK, I. P.

ZAPADNYUK, I. P. (Candidate of Veterinary Sciences,) Use of xeroform in pneumonia of horses and in dog plague.

So: Veterinariya; 23; (10-11); October/November 1946; Uncl.
TABCON

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810008-5

ZAPADNYUK, I. P.

ZAPADNYUK, I.P. (Candidate of Veterinary Sciences.) Enterocolitis in horses.

So: Veterinariya; 23; (12); December 1946; Uncl.

TABCOM

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810008-5"

Западныйк, И.П.

Jul/Aug 1967

USSR/Medicine - Poisons and Poisoning
Medicine - Medicine, Military
Medicine - Poisons of Humans and Animals," I. P.
Triolite Poisons of Veterinary Sciences, 2 pp
Triolite, Candidate for Veterinary Sciences,
Zapadnyk, "Toksikologiya" Vol I, No 1.

"Farmakologiya i Toksikologiya" Vol I, No 1.
Field
The above cases were treated at the N-th Field Hospital during 1942 to 1943. One of the symptoms is acute gastroenteritis. Others are star-shaped colons and formation of a viscous black mass in the stomach. Triolite is a preservative for lumber and is somewhat salty and thus is licked off by animals. This substance contains such poisons as sodium fluorides, and potassium phenol. The N-th Artillery regiment had di-nitro-phenol. The horses which were poisoned, and three died. Five horses which were breathing (50 per minute), Other symptoms are faster breathing, but temperature faster pulse (up to 80 per minute), but temperature is normal.

22365

ZAPADNYUK, I.P.

USSR/Medicine - Poisons and Poisoning Jul/Aug 1947

Medicine - Plants

"The Toxicology of Zygophyllaceae (Zygophyllaceae)
Peganum Harmala L and Zygophyllum Fabago L," I. P.
Zapadnyuk, Candidate in Veterinary Sciences, 2 pp

"Khimiobiologiya i Teknologiya" Vol. 2, No. 4

This plant is found in the Ukraine, Moldavia, and
the semiarid regions of Northern Caucasus, as well
as Central Asia and the very poor soil areas of
Romania and Hungary. The weed is noxious and is
dangerous especially to cattle and horses. In the
Branovaysk region of Stavropol a derivative of this
weed is used as a narcotic. M. Ye. Frik, I. P.
23T82

PA23T82

USSR/Medicine - Poisons and (Contd) Jul/Aug 1947

Poisoning

Medicine - Plants

Zapadnyuk and A. I. Gryaznov are some of the
scientists who worked with this weed.

23T82

ZAPADNYUK, I. P.

ZAPADNYUK, I. P. (Candidate of Veterinary Sciences.) On the study of the etiology
and pathogenesis of toxic dystrophy of liver in agricultural animals.

So: Veterinariya; 24; 10; October 1947; Unclassified.
TABCON

CA

ZAPADNYUK, I. P.

12

P
Feed value and toxicological evaluation of *Melilotus officinalis*. I. M. Zapadnyuk (Agr. Inst., L'vov). Veterinariya 27, No. 6, 81-2 (1980).—The plant is rather high in proteins (3-4.2%) and is useful as a feed for farm animals. Expts. with a few sheep, however, failed to give a clear picture of its toxicity; 2 out of 4 animals sickened (1 died) with disturbances of the nervous system and intestinal tract when the plant was fed without removal of seeds; 10% toxicity was observed when the plant was fed during the flowering season. It does not appear that the toxicity was caused by coumarin content. G. M. K.

ZAPADNYUK, Ignatiy Pavlovich, prof.; ZAPADNYIK, Vitaliy Ignat'yevich,
kand. med. nauk; ZAKHARIYA, Yekaterina Andreyevna, , kand.
med. nauk; FEDOROV, I.I., prof., doktor med. nauk, red.;
ZAPOL'SKAYA, A.A., tekhn. red.

[Laboratory animals, their breeding, keeping, and use in
experiments] Laboratornye zhivotnye, ikh razvedenie, soder-
zhanie i ispol'zovanie v eksperimente; s predisloviem i pod
red. I.I.Fedorova. Kiev, Gosmedizdat USSR, 1962. 349 p.

(MIRA 16:7)

(LABORATORY ANIMALS)

ZAPADNIUK, V. G.

USSR / Human and Animal Physiology (Normal and Pathological). Nervous System. Epilepsy T

Abs Jour: Ref Zhur-Biologiya, No 21, 1958, 97878

Author : Fedorov, I. I., Zapadniuk, V. G.

Inst : Not given

Title : The Significance of Neuroreflexory Components in the Mechanism of Appearance of Experimental Convulsive Attacks

Orig Pub: Fiziol. zh., 1957, 3, No 5, 119-123

Abstract: It was established in experiments on 8 dogs that a perfusion of humorally isolated carotid sinus unilaterally or bilaterally with a 4 percent solution of pyramidon (P) does not produce convulsive attacks, despite the fact that acceleration of breathing,

Card 1/2

87

ZAPADNYUK, V.G.

FEDOROV, I.I.; ZAPADNYUK, V.G.

Role of neuroreflex components in the mechanism of the development
of experimental convulsive attacks [with summary in English].
Fiziol.zhur, [Ukr.] 3 no.5:119-123 S-0 '57. (MIRA 11:1)

1. L'viv's'kiy med'chniy institut, kafedra patologichnoi fiziologii.
(AMINOPYRIN) (CONVULSIONS)

ZAPADNYUK, V.G. [Zapadniuk, V.H.]

Effect of experimental convulsive fits, caused by intravenous administration of pyramidone, on the conditioned reflex activity of dogs. Fiziol. zhur. Ukr. 4 no.5:699 S-0 '58 (MIRA 11:11)

1. L'vovskoy meditsinskiy institut, kafedra patologicheskoy fiziologii.

(CONDITIONED RESPONSE)

(PYRAMIDONE)

(CONVULSIONS)

ZAPADNYUK, V.G. [Zapadniuk, V.H.]

Effect of novocaine block of the right vagosympathetic nerve on
interoceptive conditioned reflexes from the gall bladder. Fiziol.
zhur. [Ukr.] 7 no.4:514-519 Jl-Ag '61. (MIRA 14:7)

1. Department of Pharmacology of the Lvov Medical Institute.
(GALL BLADDER—INNERVATION) (NERVOUS SYSTEM, SYMPATHETIC)
(NOVOCAINE)

ZAPADNIUK, V. I.

"The Effect of the Intravenous Injection of Pyramidon on the Higher Nervous Activity of Dogs (Experimental Investigation)." Cand Med Sci, L'vov, State Medical Inst, L'vov, 1953. (RZhBiol, No 4, Feb 55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

LAPSHNYK V.I.

11032

The effect of the intravenous administration of pyramidalin on the conditioned reflexes in dogs. I. Acute experiments.
L. P. Tikhonov, G. G. Slobodcikov, V. A. Kostylev
Institute of Experimental Psychology, Academy of Sciences of the
USSR, Moscow, 4, GIG-503 (1954).—Five to 23 ml. of a 4% soln. of pyramidalin (II) (see the) was injected

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CIA-RDP86-00513R001963810008-5"

4350. Absorption of radio-phosphorus and radio-sulphur from the
magnesium sulphate. V. I. Dzhidik and V. I. Zapovednik. *Dokl.*
1955, No. 8, 693-696; *Referat Zb. Fiz. Nauk.*, 1955, Abstr. No.
10000....³²P in the form of Na phosphate appears in the liquid as
a precipitate after 10 min. of precipitation. ³²P and ³⁵S appear
in the liquid only 45 min. of precipitation. ³²P and ³⁵S are stim-

ZAPADNYUK, V.I.

Effect of pyramidone on internal inhibition. Farm. i teks. 18
no.3:9-13 '55.

1. Kafedra patologicheskoy fiziologii (zav.-prof. I.I. Foderov)
L'govskogo meditsinskogo instituta.

(AMINOPYRINE, effects,
on reflex, conditioned, internal inhib.)
(REFLEX, CONDITIONED,
eff. of aminopyrine, internal inhib.)

USSR/Pharmacology and Toxicology. Analgesics

V-3

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 47149

Author : Zapadnyuk V.I.

Inst : -

Title : The Treatment of Experimental Neuroses by Intravenous Ad-
ministration of Pyramidon

Orig Pub : Zh. vyssh. nervnoy deyat-sti, 1957, 7, No 3, 422-446

Abstract : Three dogs, with experimental neurosis induced by a "knocking-down" of the excitatory and inhibitory processes, overstrain of the inhibitory process, and alteration of conditioned reflexes, were treated with intravenous injections of a 4% solution of pyramidon (P), introduced 20-40 minutes before experimentation in a dose of 8-22 ml. (25-45 mg/kg P). P removed functional disturbances of the higher nervous activity and restored a disturbed balance between the processes of excitation and inhibition. The author thinks that the therapeutic action of P consists in the strengthening of Card : 1/1 functional properties of the cells of the cerebral cortex.

--U.G. Gasanov

* Chair of Pathophysiology
L'vov Medical Inst.¹¹

USSR / Pharmacology and Toxicology--Medicinal Plants V-5

Abs Jour: Ref Zhur-Biol., No 23, 1958, 107341

Author : Petrovskiy, G. A., Zapadnyuk, V. I., Pasechnik,
I. Kh., Sereda, A. Ya., Litvinchuk, M. V.

Inst : Not given Chair of Pharmacology, Lvov Medical Inst.

Title : On the Choleretic Action of Bupleurum Exaltatum,
Agrimonia Asiatica, Leontopodium Ochroleucum, and
Veronica Virginica

Orig Pub: Farmakol. i toksikologiya, 1957, 20, No 1, 75-77

Abstract: The choleric action of Bupleurum exaltatum,
Agrimonia asiatica, Leontopodium ochroleucum, and
Veronica virginica was studied in dogs with gall
bladder fistulas and ligated common gall ducts. It
was established that Bupleurum exaltatum and Leonto-

Card 1/3

13

USSR / Pharmacology and Toxicology--Medicinal Plants V-5

Abs Jour: Ref Zhur-Biol, No 23, 1958, 1073^{l41}

44 to 45 milligrams per 100 [there is no indication from which parts of the plants the infusions or decoctions were prepared--editor].

Card 3/3

14

USSR / Pharmacology and Toxicology. Histamine and
Antihistamine Drugs.

v-4

Abs Jour : Ref Zhur - Biol., No 16, 1958, No 75781

Author : Zapadnyuk, V. I.

Inst : Not given

Title : Influence of Dimedrol on Conditioned Reflex Activity.

Orig Pub : Farmakol. i toksikologiya, 1957, 20, No. 3, 14-17.

Abstract : In three dogs (two with a weak type of nervous system, the third with a strong, balanced movement) there were produced discharged secretory food conditioned reflexes to a bell, light, click and differentiation to the bell. 0.2-0.27 mg/kg of dimedrol introduced subcutaneously in the form of 1-2% aqueous solutions did not essentially influence the conditioned reflex activity; 0.4 - 2.2 mg/kg decreased the number of positive conditioned reflexes and increased the period of

Card 1/2

SAPADNYUK, V. I. (Lvov)

The effect of ACTH and cortisone on fundamental processes of the cerebral cortex [with summary in English]. Probl. endok. i form. (MIRA 11:5)
4 no. 2:14-22 Mr-Ap '58

1. Iz kafedry farmakologii (zav. - zasluzhennyy deyatel' nauk prof. Yu.A. Petrovskiy [deceased]) L'vovskogo meditsinskogo instituta (dir. - prof. L.N. Kuzmenko)
(ACTH, effects
on excitation & inhib. in cerebral cortex in dogs (Rus))
(CORTISONE, effects
on excitation & inhib. in cerebral cortex in dogs (Rus))
(CEREBRAL CORTEX, effect of drugs on
ACTH & cortisone on excitation & inhib. processes in
dogs (Rus))

ZAKHARIYA, Ye.A.; ZAPADNYUK, V.I. (L'vov)

Spasmolytic effect of novocaine. Pat. fiziol. i eksp. terap. 3 no.3:
77 My-Je '59. (MIRE 12:7)

1. Iz kafedry patofiziologii (zav. - prof. I.I. Fedorov) i kafedry
farmakologii (zav. - prof. A.A. Gavrilyuk) L'vovskogo meditsinskogo
instituta.

(PROCAINE, eff.

on exper. convulsions (Rus))

(CONVULSIONS, exper.

eff. of procaine (Rus))

GAVRILYUK, A.A.; ZAPADNYUK, V.I.

Effect of vegetotropic preparations on the course of convulsive processes. Farm. i toks. 22 no.4:317-319 Jl-Ag '59. (MIRA 13:1)

1. Kafedra farmakologii (zav. - A.A. Gavrilyuk) L'vovskogo gosudarstvennogo meditsinskogo instituta.
(CONVULSIONS exper.)
(AUTONOMIC DRUGS pharmacol.)

ZAPADNYUK, V.I.; ZAKHARIYA, Ye.A.

Degensitizing effects of rhodanine derivatives. Farm. i toks.
24 no.1:33-36 Ja-F '61. (MIRA 14:5)

1. Kafedra farmakologii (zav. - prof. A.A.Gavrilyuk) i kafedra
patologicheskoy fiziologii (zav. - prof. I.I.Fedorov) L'vovskogo
gosudarstvennogo meditsinskogo instituta.
(THIAZOLES RHODANINE) (ALLERGY)

ZAPADNYUK, V.I.

- 1. Pharmacological characteristics of 3-phenylrhodanine. Farm.i
toks. 24 no.4:416-422 Jl-Ag '61. (MIRA 14:9)
- 1. Kafedra farmakologii (zav. - prof. A.A.Gavrilyuk) L'vovskogo
gosudarstvennogo meditsinskogo instituta.
(RHODANINE)

ZAPADNYUK, V.I.

Comparative characteristics of the epileptogenic effect and
toxicity of concentrated amidopyrine solutions. Farm. i toks.
28 no.1:40-42 Ja-F '65. (MIRA 18:12)

1. Kafedra farmakologii (zav. - prof. A.A.Gavrilyuk) L'vovskogo
meditsinskogo instituta. Submitted October 7, 1963.

ZAPADNYUK, Vitaliy Ignat'yevich [Zapadniuk, V.H.]; DMITRIYEVA, N.M.,
red.

[Antispasmodics] Protysudorozhni preparaty. Kyiv, Zdorov'ia,
1965. 304 p. (MIRA 18:9)

ZAKHAR'YA, Ye.A.; ZAPADNYUK, V.I.

Reproduction of audiogenic convulsions after the preliminary administration of pyramidone to animals. Biul. èsp. biol. i med. 58 no.8:82-84 Ag '64. (MIRA 18-3)

I. Kafedra patologicheskoy fiziologii (zav. ... dottsent V.P. Bezuglov) i kafedra farmakologii (zav. ... prof. A.A. Gavrilyuk) L'vovskogo meditsinskogo instituta. Submitted April 10, 1962.

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810008-5

SAMOYLOVA, Z.T.; SMIRNOVA, S.; FROLOV, S.; TANK, L.I.; ZAPADNYUK, V.I.

Brief news. Farm. i toks. 25 no.4:502-508 Jl-Ag '62.
(MIRA 17:10)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810008-5"

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810008-5

ZAPADNYUK, V.I.

At the L'vov Pharmacological Society. Farmakol. toksik. 26
no. 3:395-396 My-Je'63 (MIRA 17:2)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810008-5"

ZAPADNYUK, Ignatii Pavlovich, prof.; ZAPADNYIK, Vitaliy Ignat'evich,
kand. med. nauk; ZAKHARIYA, Yekaterina Andreyevna, , kand.
med. nauk; FEDOROV, I.I., prof., doktor med. nauk, red.;
ZAPOL'SKAYA, A.A., tekhn. red.

[Laboratory animals, their breeding, keeping, and use in
experiments] Laboratornye zhivotnye, ikh razvedenie, soder-
zhanie i ispol'zovanie v eksperimente; s predisloviem i pod
red. I.I.Fedorova. Kiev, Gosmedizdat USSR, 1962. 349 p.
(MIRA 16:7)

(LABORATORY ANIMALS)

ZAFADNYUK, V.I.

Pharmacological study of 3-(β -aminoethyl)-2,4-thiazolidinedione hydrochloride. Farm.i toks. 24, no.6:665-670 N-D '61.

(MIRA 15:11)

1. Kafedra farmakologii (zav. - prof. A.A.Gavrilyuk) L'vovskogo meditsinskogo instituta.
(THIAZOLIDINEDIONE)

ZAPADNYUK, V.I. [Zapadniuk, V.H.]

Dependence of the antispasmodic activity and toxicity
of thiocydantoin and rhodanine derivatives on their chemical
structure. Farmatsev. zhur. 17 no.1:36-42 '62. (MIRA 15:6)

1. Kafedra farmakologii L'vovskogo meditsinskogo instituta,
zav. kafedroy prof. A.Ya. Gavrilyuk [Havryliuk, A.IA.].
(RHODANINE) (HYDANTOIN)

1. ZAPADOV, A. V.
 2. USSR (600)
 4. Uspenskii, Gleb Ivanovich, 1843-1902
 7. Gleb Uspenskii and the migration movement, Uch. Zap. Len. un., No. 158, 1952.
9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

1. ZAPADOV, A. V.
2. USSR (600)
4. Migration, Internal
7. Gleb Uspenskii and the migration movement, Uch. zap. Len. un. No. 158, 1952.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

ZAPADOVA, YE. A.

26(2)

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Materialy po maschinnoj prevedenii. Sbornik 1. (Materials on Machine Translation.) Collection of Articles No. 1) Leningrad, Izd-vo Leningr.

Fizmatgiz, 1958. 4/Collection of Article No. 1) Leningrad, Izd-vo Leningr.

USSR., 1958. 228 p. 1,000 copies printed.

No contributors mentioned.

PURPOSE: The book is for students, scientists, and engineers interested in machine translation.

COVERAGE: This collection of 15 articles is published as volume I of the Materials on Machine Translation. It represents the work of 25 Soviet scientists at the Leningrad University Experimental Laboratory for Machine Translation which was created in March 1956 to continue research on translating with the aid of electronic machines. Although the present volume deals with both theoretical and practical aspects of machine translation, the emphasis is on the compilation of algorithms for a number of languages, many of them isolate. There are no references.

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